



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/757,019	01/14/2004	Samuel Eak Hua Nguy	42973-0100	3292

21611 7590 04/25/2007  
SNELL & WILMER LLP (OC)  
600 ANTON BOULEVARD  
SUITE 1400  
COSTA MESA, CA 92626

EXAMINER
----------

AMINZAY, SHAIMA Q

ART UNIT	PAPER NUMBER
----------	--------------

2618

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/25/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/757,019

Applicant(s)

NGUY ET AL.

Examiner

Shaima Q. Aminzay

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 06 February 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 28-31 and 34-54 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 28-31 and 34-54 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |  |
|--|--|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input checked="" type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                        |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____   |

## ***DETAILED ACTION***

### ***Response to Arguments***

Applicant's arguments filed February 6, 2007 in response to the office action dated December 23, 2006 have been fully considered

1. Applicant's arguments with respect to rejected claims 28-31 and 34-54 under 35 U.S.C.103(a) Rejection has been fully considered, but they are not persuasive.

Applicant argues that Smethers in view of Bridle does not teach or suggest the followings:

- "a half-duplex communication device". Examiner disagrees. As the applicant's specification (*Abstract, lines 1-2*) states the "two-way" communications, Smethers clearly discloses two-way or half-duplex communications, meaning the communication system is a system composed of two connected parties or devices which can communicate with one another "two-way" but only one direction at a time (not simultaneously) (*see for example, Figures 1-7, column 1, lines 7-25, lines 61-67, column 3, lines 22-26*).

- "a control device to "receive acknowledgment information in response to the transceiver determining that the identification code matches the transceiver identification code."". Examiner disagrees. Smethers clearly discloses the two-way (half-duplex) *communication device controller recognizes and identifies the received ID code of the transceiver that is exactly the same for the communication (see for example, column 1,*

*lines 7-25, column 5, lines 8-18, lines 29-35)*

- "transmit the initiator identification code and the identification code directly to a transceiver identified by a transceiver identification code without the use of an intermediate network. Examiner disagrees. Smethers clearly discloses two-way (half-duplex) communications identification (ID) code is being transmitted directly to the transceiver, and a controller device (Figures 1-3) for controlling the identification (ID) code that is being transmitted directly to the transceiver (*see for example, column 2, lines 21-39, column 5, lines 8-18, lines 29-35, column 6, lines 35-67*), and further, Smethers teaches the "a RF transceiver (not shown) to receive incoming and outgoing data signals" (*column 5, lines 10-11*), however, Smethers does not specifically teach without the use of an intermediate network. In related art dealing with two-way (half-duplex) communications (*see for example, Figures 2-6*), Bridle teaches direct transmission without the use of an intermediate network as indicated in the below office action, for example, in Figure 4 the communications between the mobiles 50 and 52 (*column 3, lines 55-67 continued to column 5, lines 1-19*) the two mobiles are communicating without the use of an intermediate network.

- "a processor to "automatically scan a plurality of channels for an available primary channel."". Examiner disagrees. Smethers teaches the controller (processor) to search the plurality of channels for an available communication channel to be used as a main (primary) channel (*see for example, column 1, lines 61-64, column 3, lines 22-33, column 5, lines 29-35, column 6, lines 35-45, lines 61-62*), however, Smethers does not specifically teach automatically scanning for a channel, Bridle teaches accordingly

computing that is automatically scanning the channels to select a channel (*see for example, column 1, lines 6-10, lines 50-60, column 2, lines 34-42, column 4, lines 55-67 continued to column 5, lines 1-19*).

- The remarks in the arguments “device ID and an identification code associated with a name in the address book are transmitted directly to a transceiver” is not part of the claimed limitations, however, the identification associated with “name or a number” (claims 38-39, 44-45, 53-54) is clearly shown by Smethers (*see for example, Figure 3A*).

Smethers and Bridle are analogous to the applicants teaching, that’s why they do obviate. The rejection is maintained.

### ***Claim Rejections – 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action: in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made

2. Claims 28-31, and 34-54 are rejected under 35 U.S.C. 103(a) as being unpatentable over Smethers (Smethers, U.S. Patent No. 6,463,304) in view of Bridle (Bridle et al., U.S. Patent No. 6,163,680).

Regarding claim 28, Smethers discloses a half-duplex communication device identified by an initiator identification code (*see for example, Figures 1-7, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, the two-way (half-duplex) communication device with selecting and starting (initiating) identification code*) comprising: a control device to receive an identification code stored in memory (*see for example, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, the two-way (half-duplex) communication device controller identifies the received ID code stored in memory*), transmit the initiator identification code and the identification code directly to a transceiver identified by a transceiver identification code [*without the*

*use of an intermediate network]* (see for example, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, the two-way (half-duplex) communication device controller identifies the received ID code stored in memory), and receive acknowledgment information in response to the transceiver determining that the identification code matches the transceiver identification code (see for example, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, the two-way (half-duplex) communication device controller identifies the received ID code stored in memory)

Smethers does not specifically teach without the use of an intermediate network, however, Smethers teaches the two-way (half-duplex) transmission communications (see for example, Figure 3A and 3C, column 6, lines 51-67, the displayed menu (324, 320, 328; 370, 374, 378) to selected and execute the initiation, identification, and connection for two-way communications).

In related art dealing with two-way (half-duplex) communications (see for example, Figures 2-6, column 1, lines 6-10, lines 50-60, column 2, lines 30-53, column 3, lines 60-61, column 4, lines 7-10, lines 23-37, lines 55-67, column 5, lines 1-7), Bridle teaches direct transmission without the use of an intermediate network (see for example, Figures 2-6, column 1, lines 6-10, lines 50-60, column 2, lines 30-53, column 3, lines 60-61, column 4, lines 7-10, lines 23-37, lines 55-67, column 5, lines 1-7).

It would have been obvious to one of ordinary skill in the art at the time invention was

made to have included Bridle's two-way direct transmission with Smethers's two-way (half-duplex) mobile communication to provide two-way (half-duplex) communication with maximize efficiency (*Smethers, see for example, column 1, lines 39-41*), and "to distribute the preferred resources throughout the whole communication resource and thereby, lessen the likelihood of clashes" (*Bridle, see for example, column 3, lines 7-9*).

Regarding claim 40, Smethers discloses a communication device identified by an initiator identification code (*see for example, Figures 1-7, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, the communication device with selecting and starting (initiating) identification code*) comprising: a processor to receive an identification code stored in memory (*see for example, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, the communication device controller identifies the received ID code stored in memory*), [automatically] scan a plurality of channels for an available not used for telephone communication (*see for example, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, checking the available channels that not used*), and transmit via the available primary channel the initiator identification code and the identification code to at least one transceiver identified by a transceiver identification code (*see for example, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67,*



*transmission via available main (primary) channel and controller identifies the received ID code).*

Smethers does not specifically teach automatically scanning channels, however, Smethers teaches checking (scanning) the channels (*see for example, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, checking the available channels that are not used*).

In related art dealing with two-way (half-duplex) communications (*see for example, Figures 2-6, column 1, lines 6-10, lines 50-60, column 2, lines 30-53, column 3, lines 60-61, column 4, lines 7-10, lines 23-37, lines 55-67, column 5, lines 1-7*), Bridle teaches automatically scan the channels (*see for example, column 2, lines 2-8, column 4, lines 55-67, column 5, lines 1-19*).

It would have been obvious to one of ordinary skill in the art at the time invention was made to have included Bridle's two-way communication channel selection with Smethers's two-way (half-duplex) mobile communication to provide two-way (half-duplex) communication with maximize efficiency (*Smethers, see for example, column 1, lines 39-41*), and "to distribute the preferred resources throughout the whole communication resource and thereby, lessen the likelihood of clashes" (*Bridle, see for example, column 3, lines 7-9*).

Regarding claim 46, Smethers discloses a system to provide half-duplex communication (*see for example, Figures 1-7, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines*

8-18, lines 29-35, column 6, lines 35-67, the two-way (half-duplex) communication system) comprising: an initiator transceiver having an initiator identification code and to receive an identification code stored in memory (see for example, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, the two-way (half-duplex) communication controller identifies the received ID code stored in memory), [automatically] scan a plurality of channels for an available channel (see for example, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, checking the available channels), and transmit, using the available channel, the initiator identification code and the identification code (see for example, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, transmission via available channel and controller identifies the received ID code and initiation code); and a recipient transceiver having a recipient identification code and to receive the initiator identification code and the identification code (see for example, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67) and automatically transmit, using the available channel (see for example, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, transmission via available channel), the recipient identification code to the initiator transceiver if the identification code matches the

recipient identification code (*see for example, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, the controller identifies the received ID code and the initiating transceiver*).

Smethers does not specifically teach automatically scanning channels, however, Smethers teaches checking (scanning) the channels (*see for example, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, checking the available channels that are not used*).

In related art dealing with two-way (half-duplex) communications (*see for example, Figures 2-6, column 1, lines 6-10, lines 50-60, column 2, lines 30-53, column 3, lines 60-61, column 4, lines 7-10, lines 23-37, lines 55-67, column 5, lines 1-7*), Bridle teaches automatically scan the channels (*see for example, column 2, lines 2-8, column 4, lines 55-67, column 5, lines 1-19*).

It would have been obvious to one of ordinary skill in the art at the time invention was made to have included Bridle's two-way communication channel selection with Smethers's two-way (half-duplex) mobile communication to provide two-way (half-duplex) communication with maximize efficiency (*Smethers, see for example, column 1, lines 39-41*), and "to distribute the preferred resources throughout the whole communication resource and thereby, lessen the likelihood of clashes" (*Bridle, see for example, column 3, lines 7-9*).

Regarding claims 29 and 42, Smethers and Bridle teach all the limitations of claims 28,

and 40, and further, Bridle teaches wherein the processor has a direct wireless link to the at least one transceiver without the use of a telephone network (*see for example, Figures 2-6, column 1, lines 6-10, lines 50-60, column 2, lines 30-53, column 3, lines 60-61, column 4, lines 7-10, lines 23-37, lines 55-67, column 5, lines 1-7*).

Regarding claim 30, Smethers and Bridle teach all the limitations of claim 28, and further, Smethers teaches wherein the acknowledgement information includes the transceiver identification code (*see for example, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, transmission via available main (primary) channel and controller identifies the received ID code*).

Regarding claim 31, Smethers and Bridle teach all the limitations of claim 28, further, Smethers teaches wherein the control device [*automatically*] scan a plurality of channels for an available channel (*see for example, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, checking the available channels*), and further, Bridle teaches automatically checking channels (*see for example, column 2, lines 2-8, column 4, lines 55-67, column 5, lines 1-19*).

Regarding claim 34, Smethers and Bridle teach all the limitations of claim 28, and further, Smethers teaches wherein the control device receives voice data, scrambles the

voice data (*see for example, Figures 1-7, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 5, lines 8-18, lines 29-35, column 6, lines 35-67*), and transmits the scrambled voice data to the transceiver (*see for example, Figures 1-7, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 5, lines 8-18, lines 29-35, column 6, lines 35-67*).

Regarding claim 35, Smethers and Bridle teach all the limitations of claim 34, and further, Smethers teaches wherein the transceiver descrambles the voice data (*see for example, Figures 1-7, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 5, lines 8-18, lines 29-35, column 6, lines 35-67*).

Regarding claim 36, Smethers and Bridle teach all the limitations of claim 34, and further, Smethers teaches wherein the control device scans the plurality of channels for a signal or interference and designates the available channel as a primary channel (*see for example, Figures 1-7, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 5, lines 8-18, lines 29-35, column 6, lines 35-67*) and another available channel as a standby channel (*see for example, Figures 1-7, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 5, lines 8-18, lines 29-35, column 6, lines 35-67*).

Regarding claim 37, Smethers and Bridle teach all the limitations of claim 36, and further, Smethers teaches wherein the control device creates an available channel table

that includes a plurality of channel numbers representing the plurality of channels that did not have the signal or interference (*see for example, Figures 1-7, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 5, lines 8-18, lines 29-35, column 6, lines 35-67*).

Regarding claim 38, Smethers and Bridle teach all the limitations of claim 28, and further, Smethers teaches wherein the initiator identification code is selected from a group consisting of a name or a number (*see for example, Figures 3A-3C, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 61-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, column 9, 1-8*).

Regarding claim 39, Smethers and Bridle teach all the limitations of claim 28, and further, Smethers teaches wherein the transceiver identification code is selected from a group consisting of a name or a number (*see for example, Figures 3A-3C, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 61-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, column 9, 1-8*).

Regarding claim 41, Smethers and Bridle teach all the limitations of claim 40, and further, Smethers teaches wherein the processor [*automatically*] scans the plurality of channels for an available secondary channel and receives via the available secondary channel the transceiver identification code (*see for example, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-67, column 5, lines 8-18, lines 29-*

35, column 6, lines 35-67, checking the available channels), and further, Bridle teaches automatically checking channels (*see for example, column 2, lines 2-8, column 4, lines 55-67, column 5, lines 1-19*).

Regarding claim 43, Smethers and Bridle teach all the limitations of claim 40, and further, Smethers teaches wherein the processor receives the transceiver identification code in response to the at least one transceiver determining that the identification code matches its transceiver identification code (*see for example, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 48-60, column 5, lines 8-18, lines 29-35, column 6, lines 35-67*).

Regarding claim 44, Smethers and Bridle teach all the limitations of claim 40, and further, Smethers teaches wherein the initiator identification code is selected from a group consisting of a name or a number (*see for example, Figures 3A-3C, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 61-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, column 9, 1-8*).

Regarding claim 45, Smethers and Bridle teach all the limitations of claim 40, and further, Smethers teaches wherein the transceiver identification code is selected from a group consisting of a name or a number (*see for example, Figures 3A-3C, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 61-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, column 9, 1-8*).

Regarding claim 47, Smethers and Bridle teach all the limitations of claim 46, and further, Bridle teaches wherein the initiator transceiver has a direct wireless link to the recipient transceiver without the use of a telephone network (*see for example, Figures 2-6, column 1, lines 6-10, lines 50-60, column 2, lines 30-53, column 3, lines 60-61, column 4, lines 7-10, lines 23-37, lines 55-67, column 5, lines 1-7*).

Regarding claim 48, Smethers and Bridle teach all the limitations of claim 46, and further, Bridle teaches wherein the initiator transceiver transmits the initiator identification code and the recipient identification code directly to the recipient transceiver without the use of an intermediate network (*see for example, Figures 2-6, column 1, lines 6-10, lines 50-60, column 2, lines 30-53, column 3, lines 60-61, column 4, lines 7-10, lines 23-37, lines 55-67, column 5, lines 1-7*).

Regarding claim 49, Smethers and Bridle teach all the limitations of claim 46, and further, Smethers teaches wherein the initiator transceiver and the recipient transceiver operate using half-duplex communication (*see for example, Figures 1-7, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, the communication is two-way (half-duplex)*).

Regarding claim 50, Smethers and Bridle teach all the limitations of claim 46, and



further, Smethers teaches wherein the initiator transceiver and the recipient transceiver include a scrambler for encoding voice data and a descrambler for decoding voice data (*see for example, Figures 1-7, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 5, lines 8-18, lines 29-35, column 6, lines 35-67*).

Regarding claim 51, Smethers and Bridle teach all the limitations of claim 46, and further, Smethers teaches wherein the initiator transceiver automatically scans the plurality of channels for a signal or interference and designates the available channel as a primary channel (*see for example, Figures 1-7, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 5, lines 8-18, lines 29-35, column 6, lines 35-67*) and another available channel as a standby channel (*see for example, Figures 1-7, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 5, lines 8-18, lines 29-35, column 6, lines 35-67*).

Regarding claim 52, Smethers and Bridle teach all the limitations of claim 51, and further, Smethers teaches wherein the initiator transceiver creates an available channel table that includes a plurality of channel numbers representing the plurality of channels that did not have the signal or interference (*see for example, Figures 1-7, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 5, lines 8-18, lines 29-35, column 6, lines 35-67*).

Regarding claim 53, Smethers and Bridle teach all the limitations of claim 46, and further, Smethers teaches wherein the initiator identification code is selected from a group consisting of a name or a number (*see for example, Figures 3A-3C, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 61-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, column 9, 1-8*).

Regarding claim 54, Smethers and Bridle teach all the limitations of claim 46, and further, Smethers teaches wherein the transceiver identification code is selected from a group consisting of a name or a number (*see for example, Figures 3A-3C, column 1, lines 7-25, lines 61-67, column 2, lines 21-39, column 3, lines 22-35, lines 50-59, column 4, lines 61-67, column 5, lines 8-18, lines 29-35, column 6, lines 35-67, column 9, 1-8*).

***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

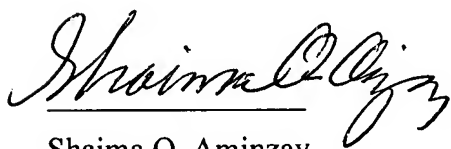
Art Unit: 2618

### *Inquiry*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shaima Q. Aminzay whose telephone number is 571-272-7874. The examiner can normally be reached on 7:00 AM -4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mathew D. Anderson can be reached on 571-272-4177. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

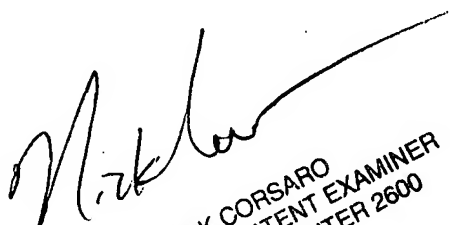
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Shaima Q. Aminzay

(Examiner)

April 18, 2007



NICK CORSARO  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600